AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF THE CLAIMS:

Claims 1-3 (Cancelled)

4.   (Original) A non-volatile storage device comprising a controller, a buffer memory, and a non-volatile memory,

wherein said buffer memory comprises a plurality of banks, and

wherein, in response to control information from an external unit, said controller stores first data, which is entered from the external unit, sequentially into the banks of said buffer memory and then further stores the stored data into a specified area of said non-volatile memory and, concurrently with the storage of data into said non-volatile memory, stores second data, which is entered from the external unit, into a bank of said buffer memory from which data has been transferred to said non-volatile memory.

5. (Original) A non-volatile storage device according to claim 4, wherein a total storage size of all banks of said buffer memory equals a size of a unit of data that is written into said non-volatile memory at a time.

6. (Original) A non-volatile storage device according to claim 4, further comprising:

a status register or a status flag indicating a completion/incompletion of the data transfer from said buffer memory to said non-volatile memory,

wherein the status register or the status flag is controlled by said controller.

7. (Original) A non-volatile storage device according to claim 6, wherein said status register or said status flag indicates, for each bank, the completion/incompletion of the data transfer to said non-volatile memory.

Claims 8-9 (Cancelled)

10.   (Original) A non-volatile storage device according to claim 4, further comprising:

a register in which an address range of said non-volatile memory is set; and

data storage error detection means for detecting whether or not data may be stored in said non-volatile memory based on the address information that is set in said register and an amount of the information or data that is entered from the external unit.